

NOTICE PUBLICATION/REGULATIONS SUBMISSION

(See instructions on reverse)

STD. 400 (REV. 01-2013)

OAL FILE NUMBER Z-2013-0520-03	REGULATORY ACTION NUMBER 2013-122-045	EMERGENCY NUMBER
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For use by Office of Administrative Law (OAL) only

RECEIVED FOR FILING PUBLICATION DATE MAY 20 '13 MAY 31 '13 Office of Administrative Law NOTICE	2013 NOV 22 PM 4:39 OFFICE OF ADMINISTRATIVE LAW REGULATIONS
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 AGENCY WITH RULEMAKING AUTHORITY
 Occupational Safety and Health Standards Board

For use by Secretary of State only

ENDORSED FILED
IN THE OFFICE OF

2014 JAN -9 PM 3:17

 Debra Bowen
 DEBRA BOWEN
 SECRETARY OF STATE

A. PUBLICATION OF NOTICE (Complete for publication in Notice Register)

1. SUBJECT OF NOTICE GISO 5155, TSO 8495, 8496, 8497, and 8500	TITLE(S) Title 8	FIRST SECTION AFFECTED 5155	2. REQUESTED PUBLICATION DATE May 31, 2013
3. NOTICE TYPE <input checked="" type="checkbox"/> Notice re Proposed Regulatory Action <input type="checkbox"/> Other	4. AGENCY CONTACT PERSON Marley Hart, Executive Officer	TELEPHONE NUMBER (916)-274-5721	FAX NUMBER (Optional) (916)-274-5743
OAL USE ONLY <input checked="" type="checkbox"/> Approved as Submitted <input type="checkbox"/> Approved as Modified <input type="checkbox"/> Disapproved/Withdrawn	NOTICE REGISTER NUMBER 2013, 222	PUBLICATION DATE 5/31/2013	

B. SUBMISSION OF REGULATIONS (Complete when submitting regulations)

1a. SUBJECT OF REGULATION(S) Cranes & Derricks in Const. - Underground & Demo	1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S)
2. SPECIFY CALIFORNIA CODE OF REGULATIONS TITLE(S) AND SECTION(S) (including title 26, if toxics related)	
SECTION(S) AFFECTED (List all section number(s) individually. Attach additional sheet if needed.) 8	ADOPT AMEND Sections 8495, 8496, 8497 & 8500 REPEAL
3. TYPE OF FILING	
<input checked="" type="checkbox"/> Regular Rulemaking (Gov. Code §11346) <input type="checkbox"/> Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3, 11349.4) <input type="checkbox"/> Emergency (Gov. Code, §11346.1(b)) <input type="checkbox"/> Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute. <input type="checkbox"/> Resubmittal of disapproved or withdrawn emergency filing (Gov. Code, §11346.1) <input type="checkbox"/> Emergency Readopt (Gov. Code, §11346.1(h)) <input type="checkbox"/> File & Print <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100) <input type="checkbox"/> Print Only	
4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.1) October 2, 2013 - October 21, 2013	
5. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100) <input checked="" type="checkbox"/> Effective January 1, April 1, July 1, or October 1 (Gov. Code §11343.4(a)) <input type="checkbox"/> Effective on filing with Secretary of State <input type="checkbox"/> §100 Changes Without Regulatory Effect <input type="checkbox"/> Effective other (Specify) _____	
6. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY <input type="checkbox"/> Department of Finance (Form STD. 399) (SAM §6660) <input type="checkbox"/> Fair Political Practices Commission <input type="checkbox"/> State Fire Marshal <input type="checkbox"/> Other (Specify) _____	
7. CONTACT PERSON Marley Hart	TELEPHONE NUMBER 916.274.5721
FAX NUMBER (Optional) 916.274.5743	E-MAIL ADDRESS (Optional) mhart@dir.ca.gov

8. I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification.

 SIGNATURE OF AGENCY HEAD OR DESIGNEE
 Marley Hart
 TYPED NAME AND TITLE OF SIGNATORY
 Marley Hart, Executive Officer
 DATE
 Nov. 21, 2013

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ENDORSED APPROVED

JAN 09 2014

Office of Administrative Law

STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

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PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

Subchapter 20. Tunnel Safety Orders
Article 19. Shafts and Hoisting Systems

§8495. Hoisting Equipment and Systems.

(a) General Requirements.

(11) A non-combustible hoist house shall be constructed and wherever possible, provide a clear and unobstructed view of the shaft collar. Physical protection shall be provided for the hoistman, hoist drum(s), braking system and drive motors.

(A) A fire extinguisher that is rated at least 2A:10B:C (multi-purpose, dry chemical) shall be mounted in each hoist house.

(16) ~~The hoists shall be of such design~~ designed so that the load hoist drum is powered up and down in both directions of rotation and so that brakes are automatically applied upon power release or failure. There shall be no friction gearing or clutch mechanism by which the motor or other power source can be disconnected from the hoisting drum.

(b) Personnel Hoisting Systems.

(2) Hoists shall be equipped with limit switches to prevent over-travel at the top and bottom of the hoistway.

(5) Personnel hoists shall be equipped with at least two brakes, either each of which is capable of stopping and holding 150 percent of the hoist's rated line pull. One shall be an automatic brake that will be applied whenever the power fails, is shut off or when the power control lever is in the "off" position. The other brake shall be a hand or foot brake that operates on the hoist drum. A broken-rope safety, safety catch, or arrestment device is not a permissible means of stopping under this section.

(c) Shaft Conveyances.

(4) Conveyances used for the movement of personnel shall be provided with sheet iron or steel side-casings not less than six feet in height and not less than 14 gauge one-sixteenth inch thick or with one-half inch (12.70 mm) wire mesh (not less than No. 14 gauge or equivalent) netting composed of wire not less than one sixteenth inch in diameter (the maximum size of openings of wire netting shall not be greater than one inch), and with gates of not less than four and one-half feet in height and made of such materials as specified for side-casing, either hung on hinges or

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working in slides; provided, however, that this safety order does not preclude the use of other materials having equivalent strength and providing equal safety. The conveyance shall have handholds provided so that each person will have a convenient means for steadying themselves. (A) All personnel conveyances shall be provided with a positive locking door and/or gate that does not open outward.

NOTE: Authority cited: Sections 142.3 and 7997, Labor Code. Reference: Sections 142.3 and 7997, Labor Code.

§8496. Shafts and Raises Under Construction.

(c) In areas of shaft construction where buckets or cages without guides are used for handling personnel and material, the arrangements must be such that:

(3) The travel speed for personnel hoisting shall not exceed 200 feet per minute.

(4) For mine-type hoists, a governor system set for a maximum speed of 200 feet per minute shall be installed in the control system and shall be used during personnel hoisting. The governor shall be tested, operated, and maintained in accordance with the manufacturer's recommendations.

NOTE: Authority cited: Sections 142.3 and 7997, Labor Code. Reference: Sections 142.3 and 7997, Labor Code.

§8497. Wire Rope and Sheaves.

(a) Factor of Safety. All rope to be used for regular hoisting shall be wire rope providing a factor of safety not less than five to one for material hoist and ten to one for personnel hoist when new, which shall be calculated by dividing the breaking strength of the wire rope as given in the manufacturer's published tables, by the total load to be hoisted including the total weight of the wire rope in the shaft when fully let out, plus a proper allowance for impact and acceleration. The acceleration allowance shall be in accordance with manufacturer's recommendations, but in all cases the factor of safety of five or more must be maintained when the load, used in determining it, is greater than the actual weight by a percentage that is numerically three times the acceleration or deceleration, whichever is greatest. For example, a deceleration or acceleration of two feet per second that increases the load would require use of an effective load 6 percent greater than the actual weight, in the calculation of a factor of safety.

NOTE: Authority cited: Sections 142.3 and 7997, Labor Code. Reference: Sections 142.3 and 7997, Labor Code.

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§8500. Hoisting Operations.

(p) Personnel and materials or equipment, other than small tools and supplies secured in a manner that will not create a hazard to employees, shall not be hoisted together in the same conveyance. However, if the cage operator is protected from shifting of materials and equipment, then the cage operator may ride with material or equipment in cages or skips which are designed to be controlled by an operator within the cage or skip.

(t) General requirements for cranes and hoists.

(1) Materials, tools, and supplies being raised or lowered, whether within a cage or otherwise, shall be secured or stacked in a manner to prevent the load from shifting, snagging or falling into the shaft.

(2) A warning light suitably located to warn employees at the shaft bottom and subsurface shaft entrances shall flash whenever a load is above the shaft bottom or subsurface entrances, or the load is being moved in the shaft. This section does not apply to fully enclosed hoistways.

NOTE: Authority cited: Sections 142.3 and 7997, Labor Code. Reference: Sections 142.3 and 7997, Labor Code.

